EUROPEAN PATENT OFFICE

FIG. 1

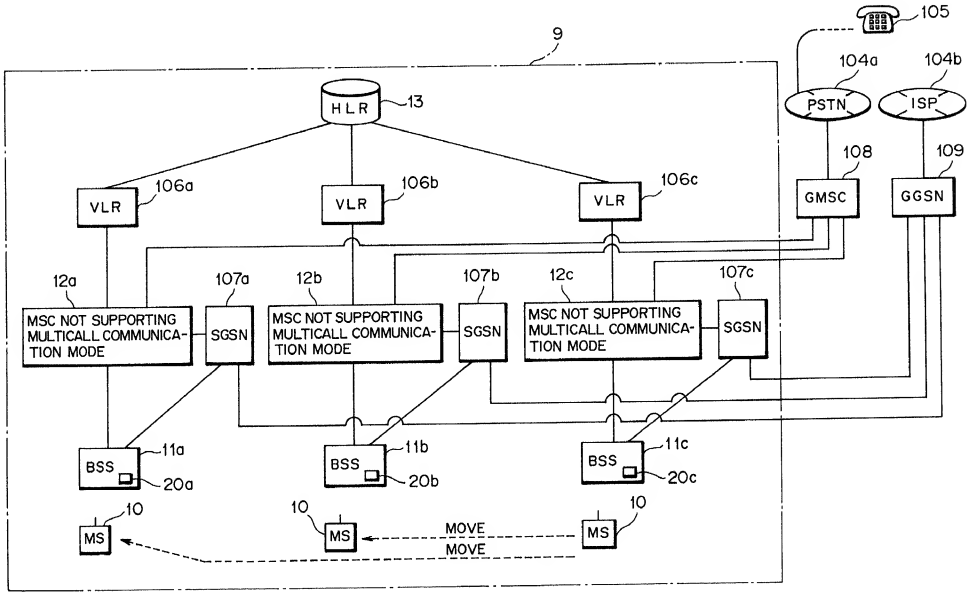


FIG. 2

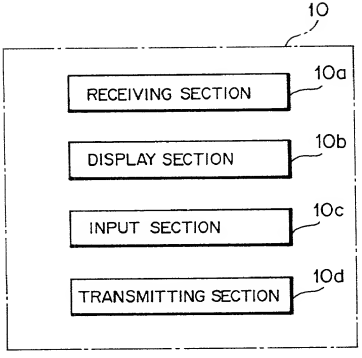
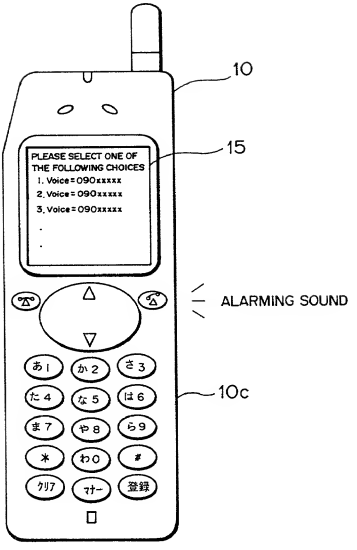

10
RECEIVING SECTION
10a
DISPLAY SECTION
10b
INPUT SECTION
10c
TRANSMITTING SECTION
10d

FIG. 3



EXAMPLE OF DISPLAY SCREEN OF TERMINAL FOR MENU SELECTION

FIG. 4

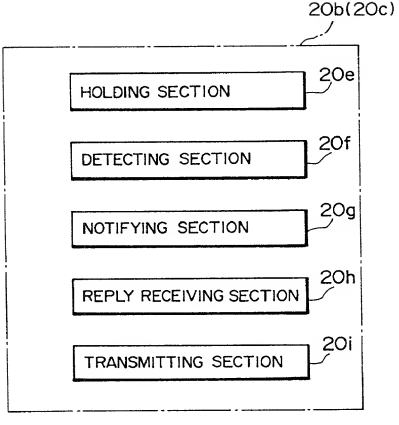

20b(20c)
HOLDING SECTION
20e
DETECTING SECTION
20f
NOTIFYING SECTION
20g
REPLY RECEIVING SECTION
20h
TRANSMITTING SECTION
20i

FIG. 5

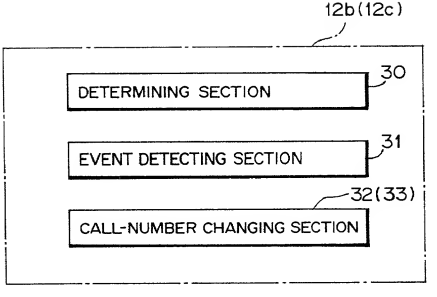

12b(12c)
DETERMINING SECTION
30
EVENT DETECTING SECTION
31
32(33)
CALL-NUMBER CHANGING SECTION

FIG. 6

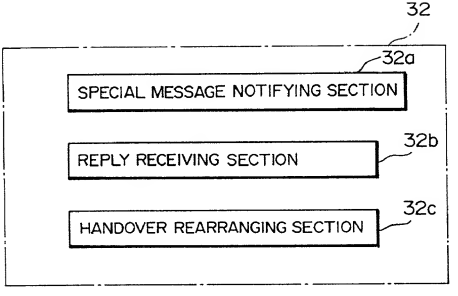
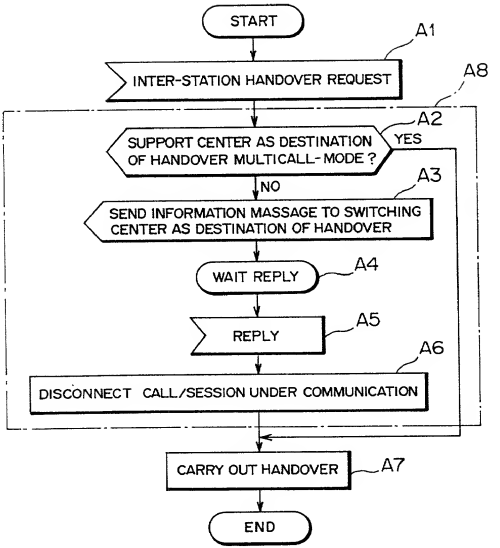
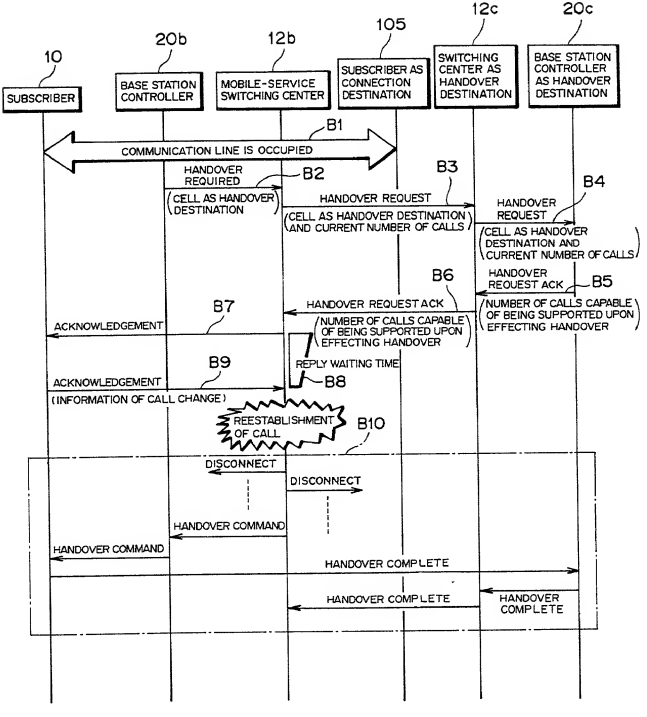

32
32a
SPECIAL MESSAGE NOTIFYING SECTION
32b
REPLY RECEIVING SECTION
32c
HANDOVER REARRANGING SECTION

FIG. 7



EXAMPLE OF PROCESSING EFFECTED IN SWITCHING CENTER

FIG. 8



HANDOVER REQUIRED : HANDOVER REQUEST 1
HANDOVER REQUEST ACK : ACKNOWLEDGEMENT OF HANDOVER REQUEST 2
HANDOVER COMMAND : HANDOVER EXECUTION COMMAND
HANDOVER COMPLETE : HANDOVER COMPLETION NOTIFICATION

EXAMPLE OF SIGNALING SEQUENCE

FIG. 9(a)

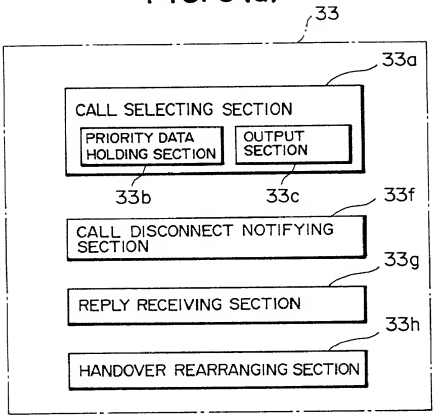

33
33a
CALL SELECTING SECTION
PRIORITY DATA HOLDING SECTION
OUTPUT SECTION
33b
33c
33f
CALL DISCONNECT NOTIFYING SECTION
33g
REPLY RECEIVING SECTION
33h
HANDOVER REARRANGING SECTION

FIG. 9(b)

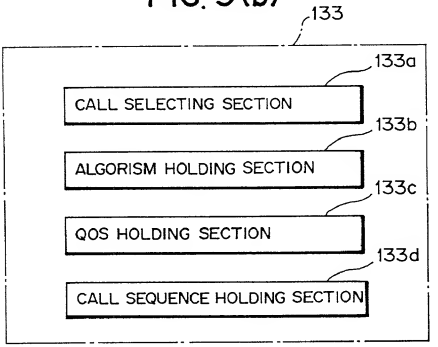
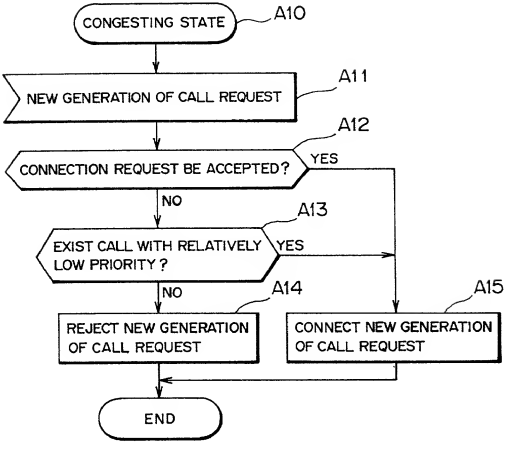
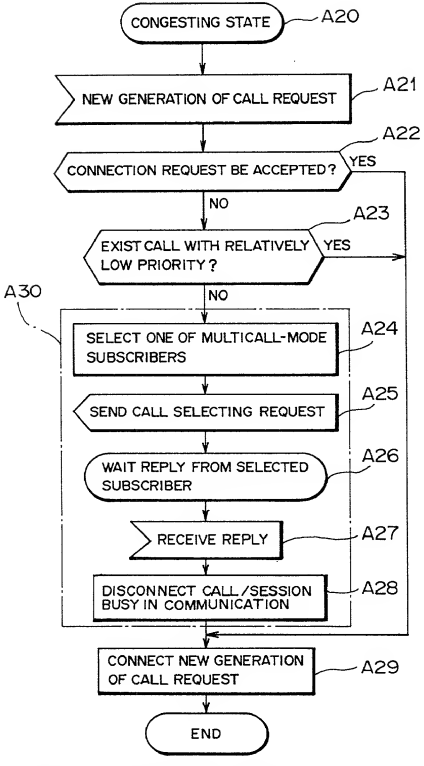

133
133a
CALL SELECTING SECTION
133b
ALGORISM HOLDING SECTION
133c
QOS HOLDING SECTION
133d
CALL SEQUENCE HOLDING SECTION

FIG. 10



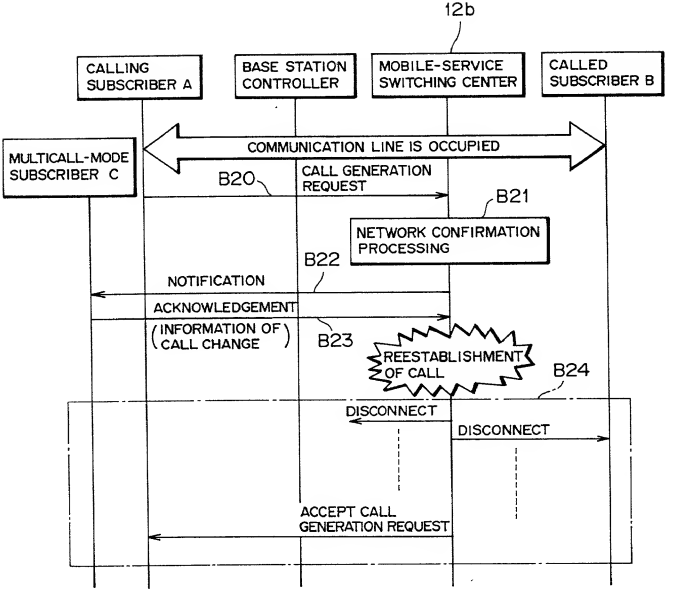
EXAMPLE OF PROCESSING OF SINGLE CALL

FIG. 11



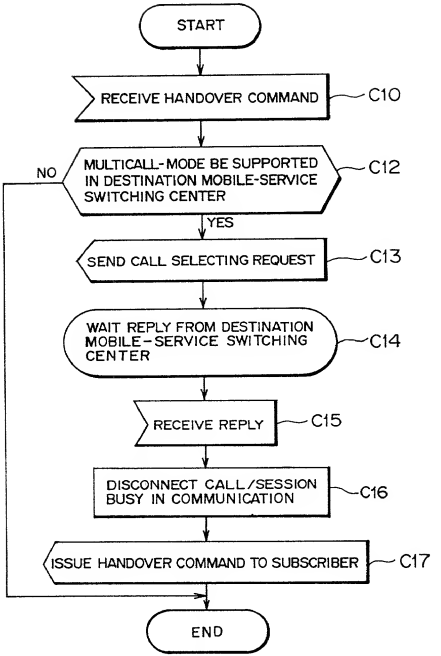
EXAMPLE OF PROCESSING EFFECTED ON THE SIDE OF MOBILE-SERVICE SWITCHING CENTER

FIG. 12



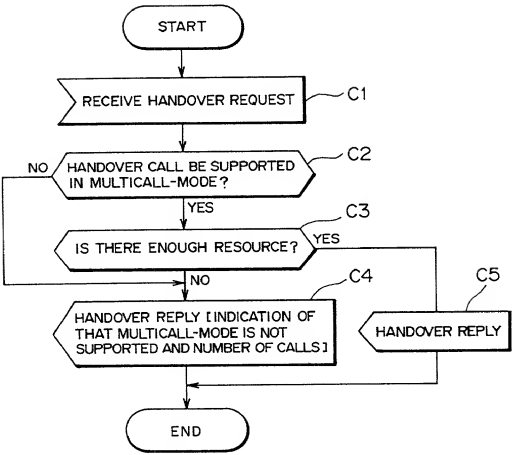
EXAMPLE OF SIGNALING SEQUENCE

FIG. 13



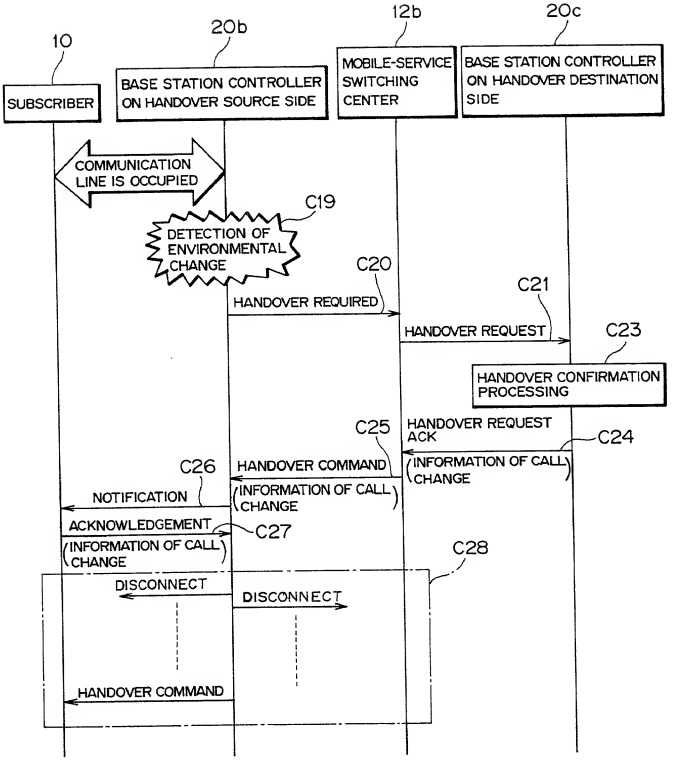
EXAMPLE OF PROCESSING EFFECTED IN BASE STATION CONTROLLER ON HANDOVER SOURCE SIDE

FIG. 14



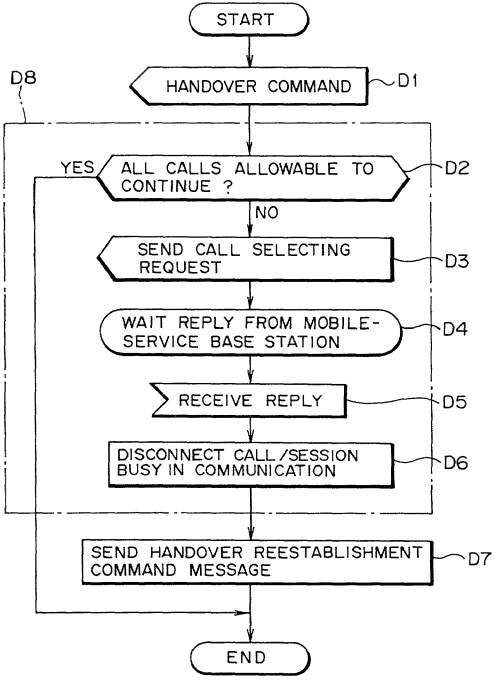
EXAMPLE OF PROCESSING EFFECTED IN BASE STATION CONTROLLER ON HANDOVER DISTINATION SIDE

FIG. 15



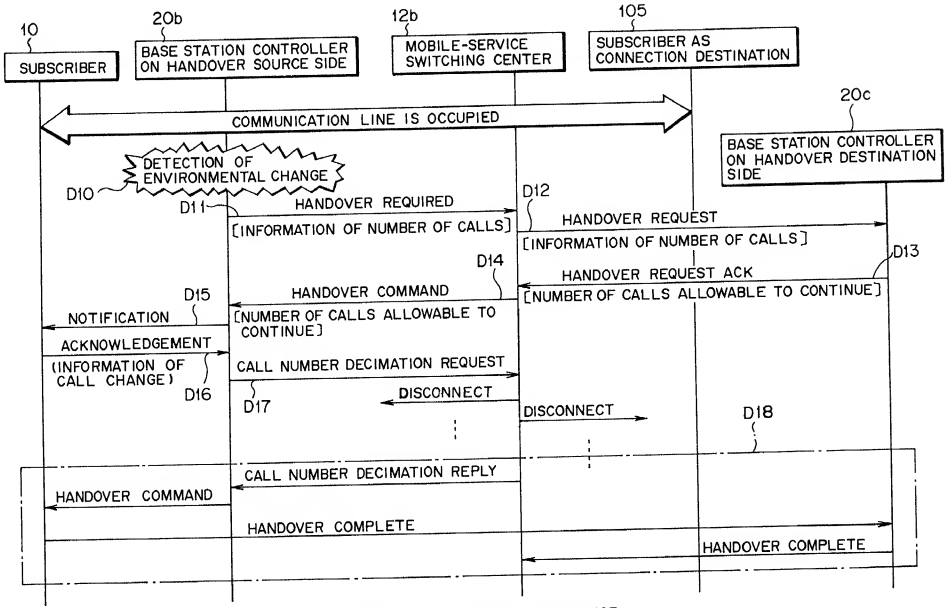
EXAMPLE OF SIGNALING SEQUENCE

FIG.16



EXAMPLE OF PROCESSING EFFECTED ON THE SIDE OF MOBILE-SERVICE SWITCHING CENTER

FIG.17



EXAMPLE OF SIGNALING SEQUENCE

0000000 0000000

FIG.18

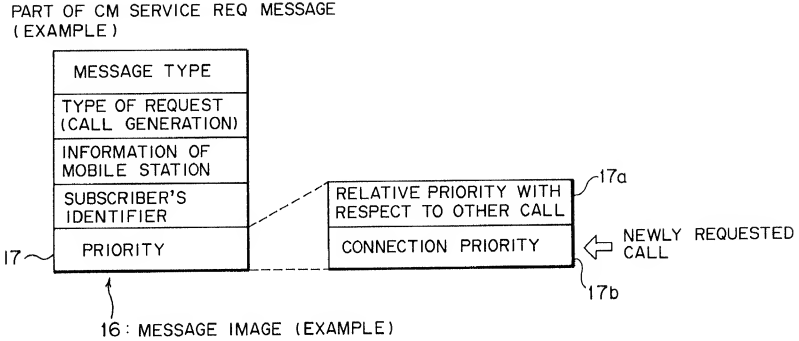
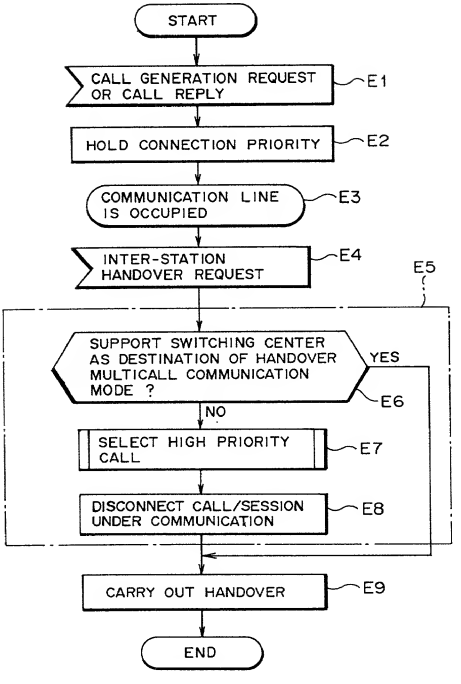
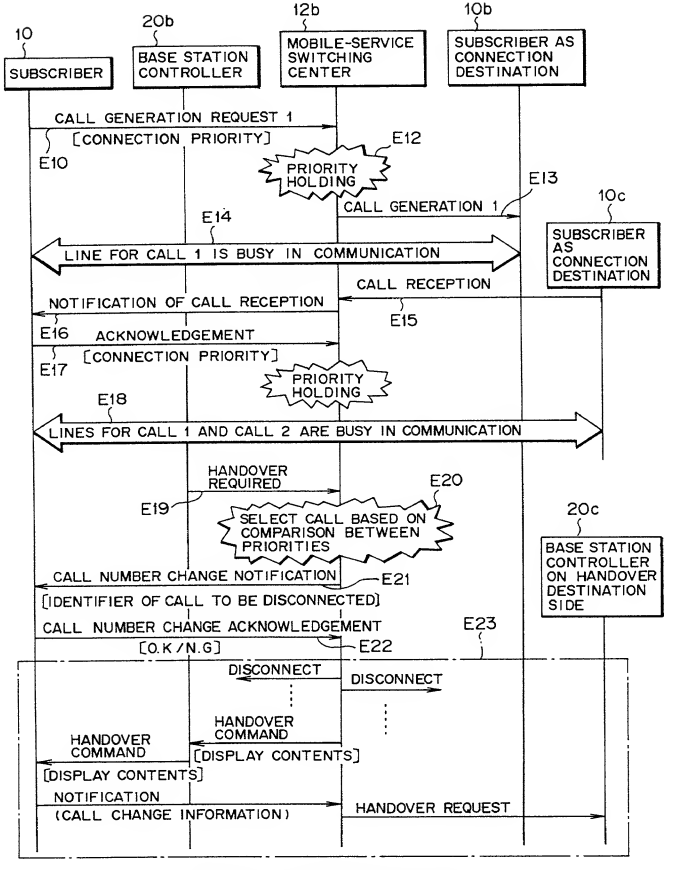


FIG.19



EXAMPLE OF PROCESSING EFFECTED IN SWITCHING CENTER

FIG. 20



EXAMPLE OF SIGNALING SEQUENCE

FIG. 21

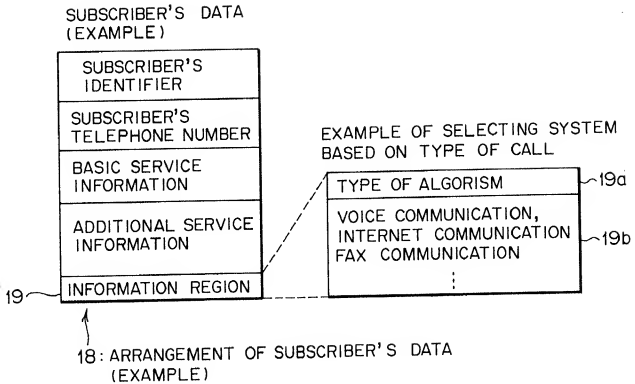
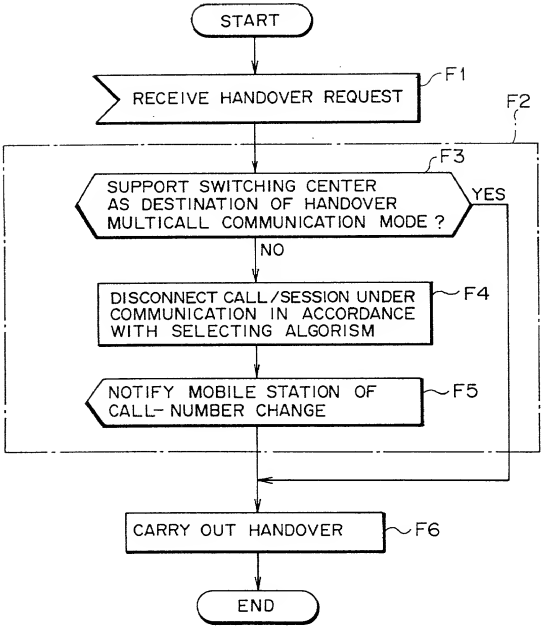
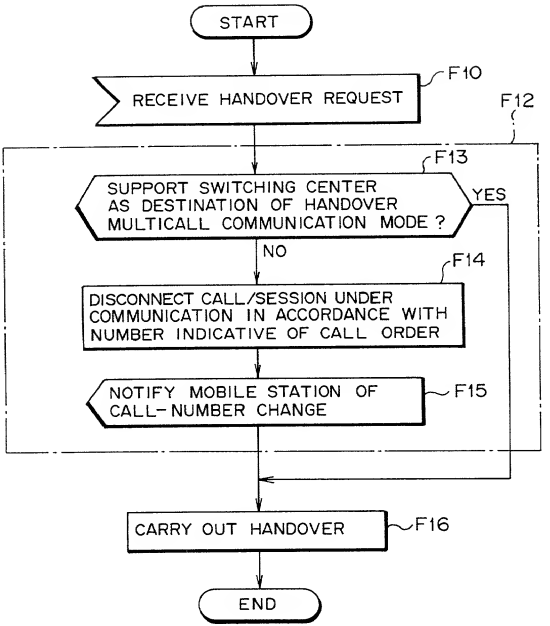

SUBSCRIBER'S DATA
(EXAMPLE)
SUBSCRIBER'S IDENTIFIER
SUBSCRIBER'S TELEPHONE NUMBER
BASIC SERVICE INFORMATION
ADDITIONAL SERVICE INFORMATION
INFORMATION REGION
19
EXAMPLE OF SELECTING SYSTEM BASED ON TYPE OF CALL
TYPE OF ALGORISM
19a
VOICE COMMUNICATION,
INTERNET COMMUNICATION
FAX COMMUNICATION
19b
18: ARRANGEMENT OF SUBSCRIBER'S DATA
(EXAMPLE)

FIG.22



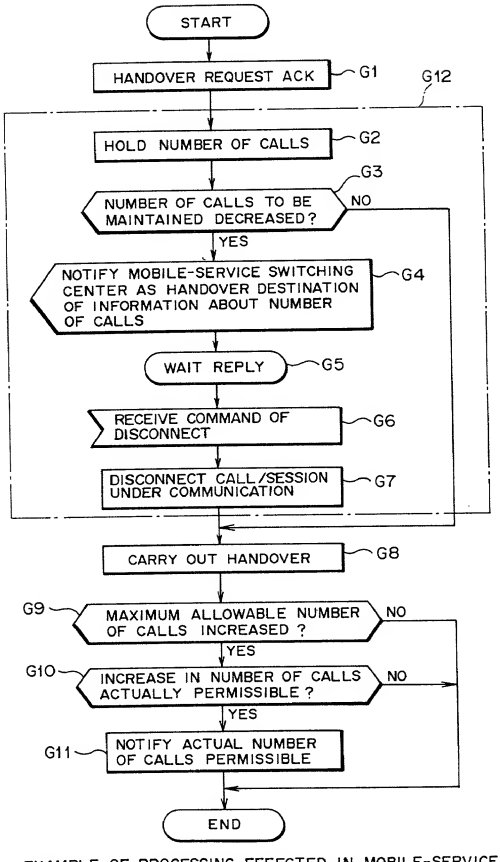
EXAMPLE OF PROCESSING EFFECTED IN SWITCHING CENTER

FIG. 23



EXAMPLE OF PROCESSING EFFECTED IN SWITCHING CENTER

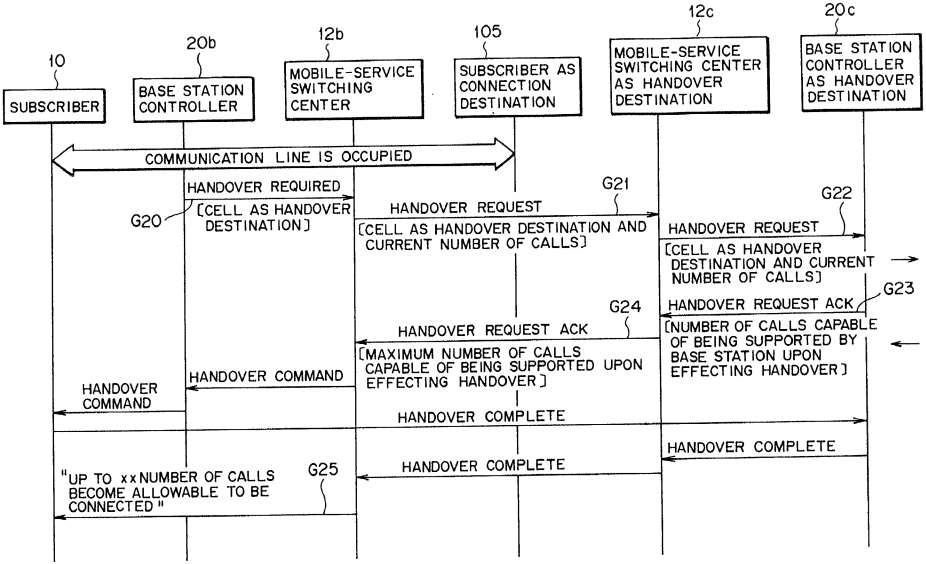
FIG. 24



EXAMPLE OF PROCESSING EFFECTED IN MOBILE-SERVICE SWITCHING CENTER AS SOURCE OF HANDOVER

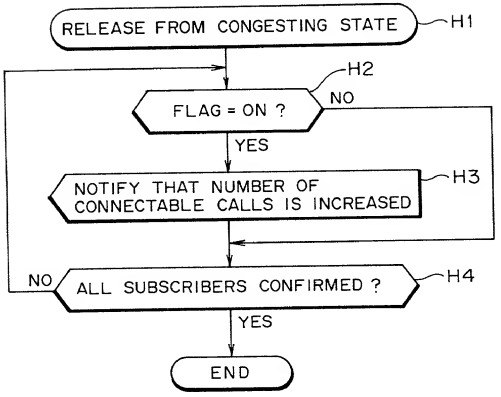
SUBSTITUTE SHEET (RULE 26)

FIG. 25



EXAMPLE OF SIGNALING SEQUENCE

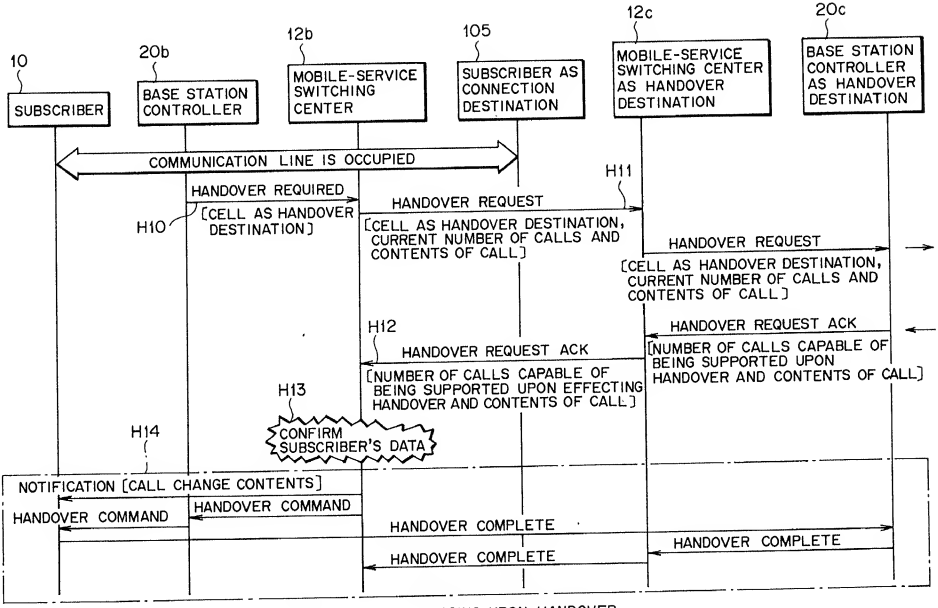
FIG. 26



EXAMPLE OF PROCESSING EFFECTED IN MOBILE-SERVICE SWITCHING CENTER

DRAFT 12/05/00

FIG. 27



EXAMPLE OF PROCESSING UPON HANDOVER

FIG. 28

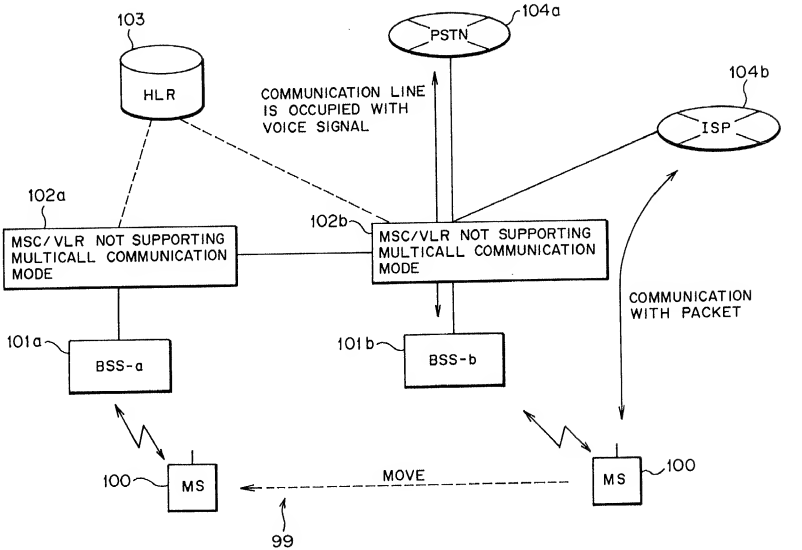
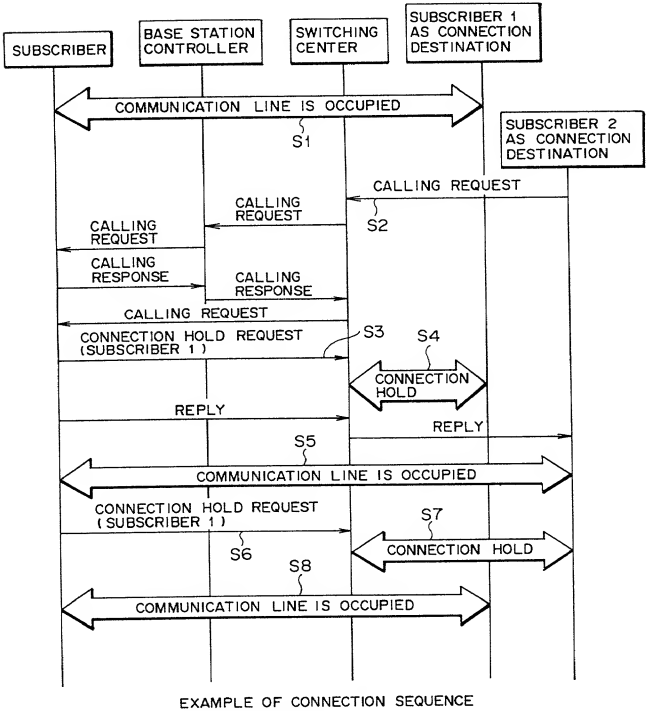
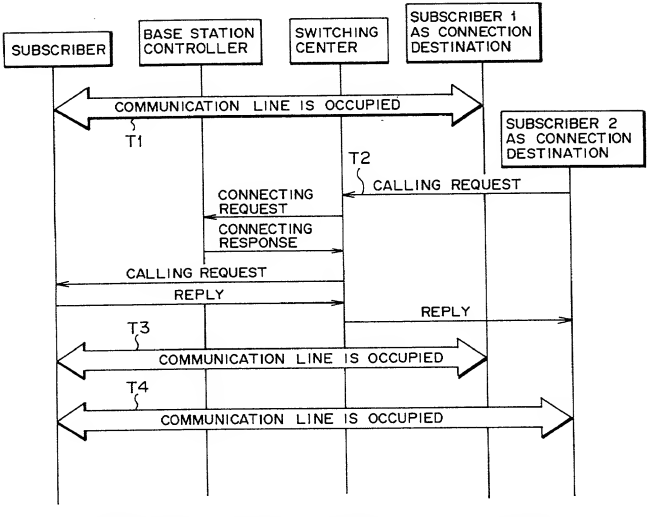

103
HLR
PSTN
104a
104b
ISP
COMMUNICATION LINE IS OCCUPIED WITH VOICE SIGNAL
102a
MSC/VLR NOT SUPPORTING MULTICALL COMMUNICATION MODE
102b
MSC/VLR NOT SUPPORTING MULTICALL COMMUNICATION MODE
COMMUNICATION WITH PACKET
101a
BSS-a
101b
BSS-b
100
MS
MOVE
MS
100
99

FIG. 29



EXAMPLE OF CONNECTION SEQUENCE OF CATCH PHONE

FIG. 30



EXAMPLE OF CONNECTION SEQUENCE OF MULTI-SESSION (MULTICALL)